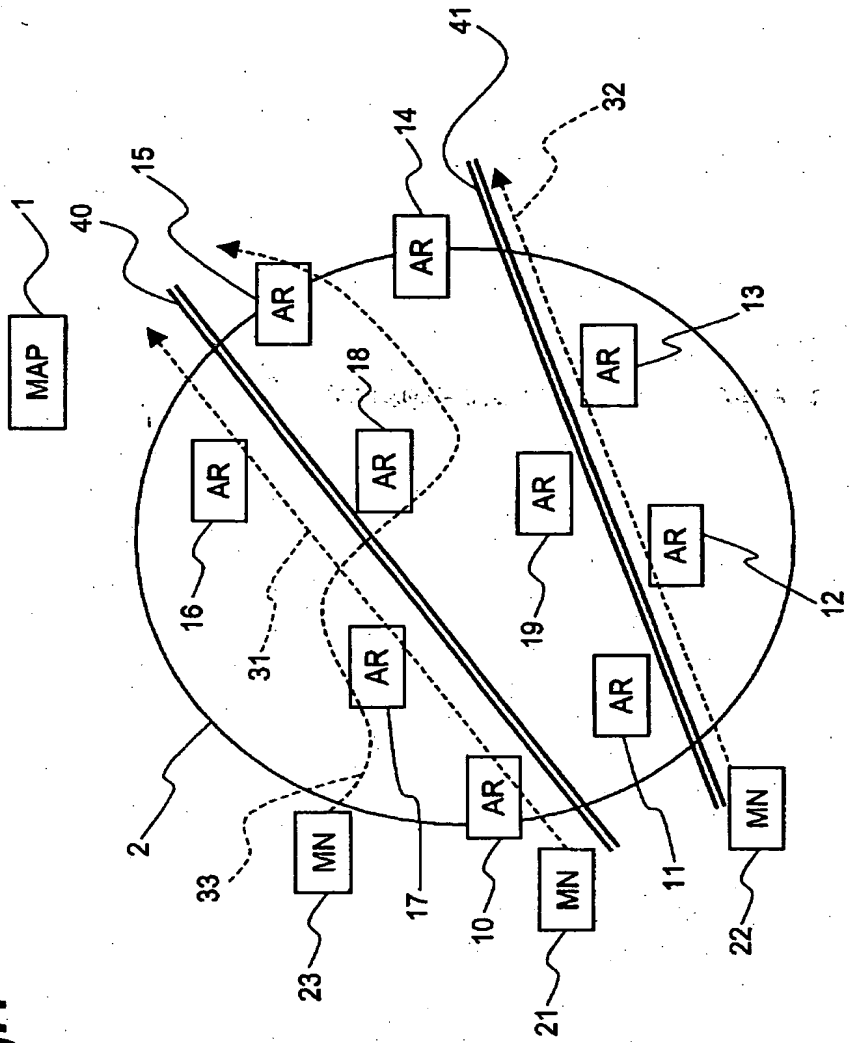

Fig.1

Fig.2

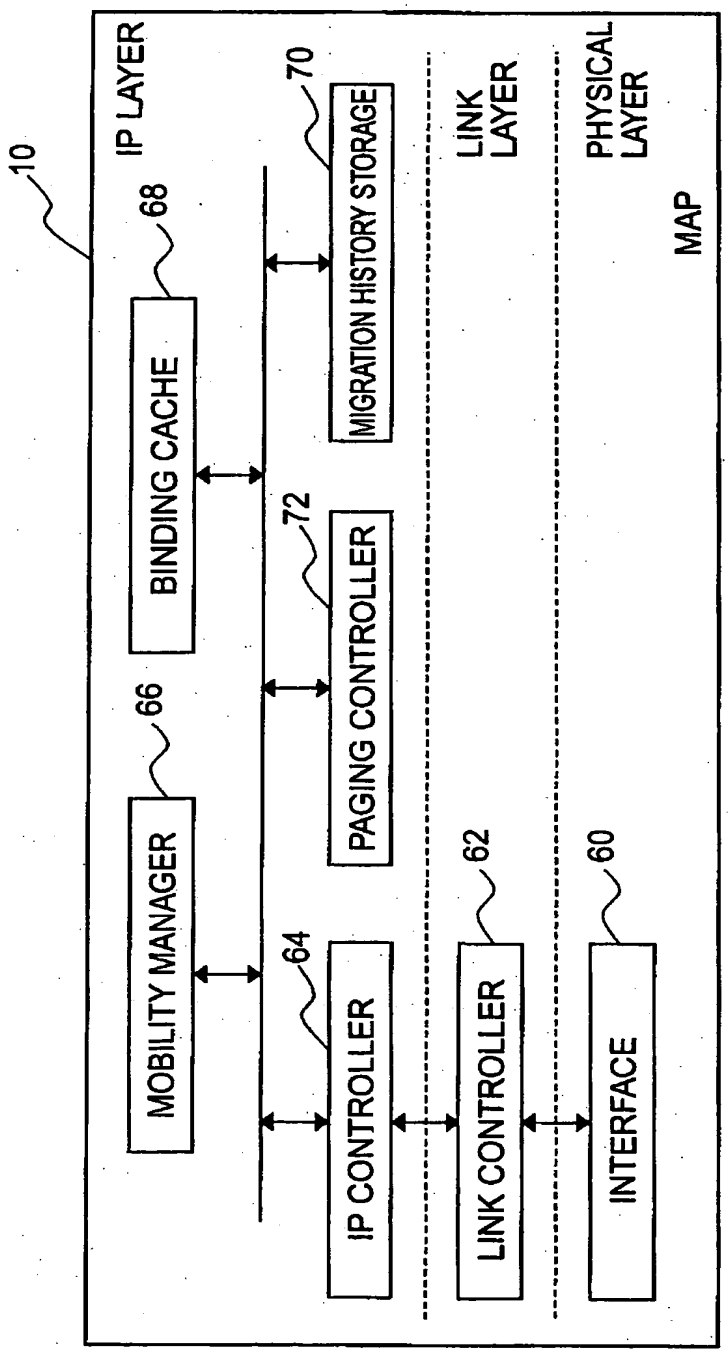
10
IP LAYER
LINK LAYER
PHYSICAL LAYER
MAP
68
BINDING CACHE
70
MIGRATION HISTORY STORAGE
72
PAGING CONTROLLER
66
MOBILITY MANAGER
64
IP CONTROLLER
62
LINK CONTROLLER
60
INTERFACE

Fig.3

	Pre10	Pre11	Pre12	Pre13	Pre14	Pre15	Pre16	Pre17	Pre18	Pre19
Pre10										
Pre11	25									
Pre12	0	563								
Pre13	0	0	6							
Pre14	0	0	0	535						
Pre15	0	0	0	0	11					
Pre16	0	0	0	0	0	1211				
Pre17	1156	0	0	0	0	0	6			
Pre18	0	0	0	0	9	0	1199	1162		
Pre19	0	0	551	548	0	0	0	0	26	

Fig.4

	Pre10	Pre11	Pre12	Pre13	Pre14	Pre15	Pre16	Pre17	Pre18	Pre19
Pre10										
Pre11	25									
Pre12	0	563								
Pre13	0	0	6							
Pre14	0	0	0	535						
Pre15	0	0	0	0	11					
Pre16	0	0	0	0	0	1211				
Pre17	1156	0	0	0	0	0	6			
Pre18	0	0	0	0	9	0	1199	1162		
Pre19	0	0	551	548	0	0	0	0	26	

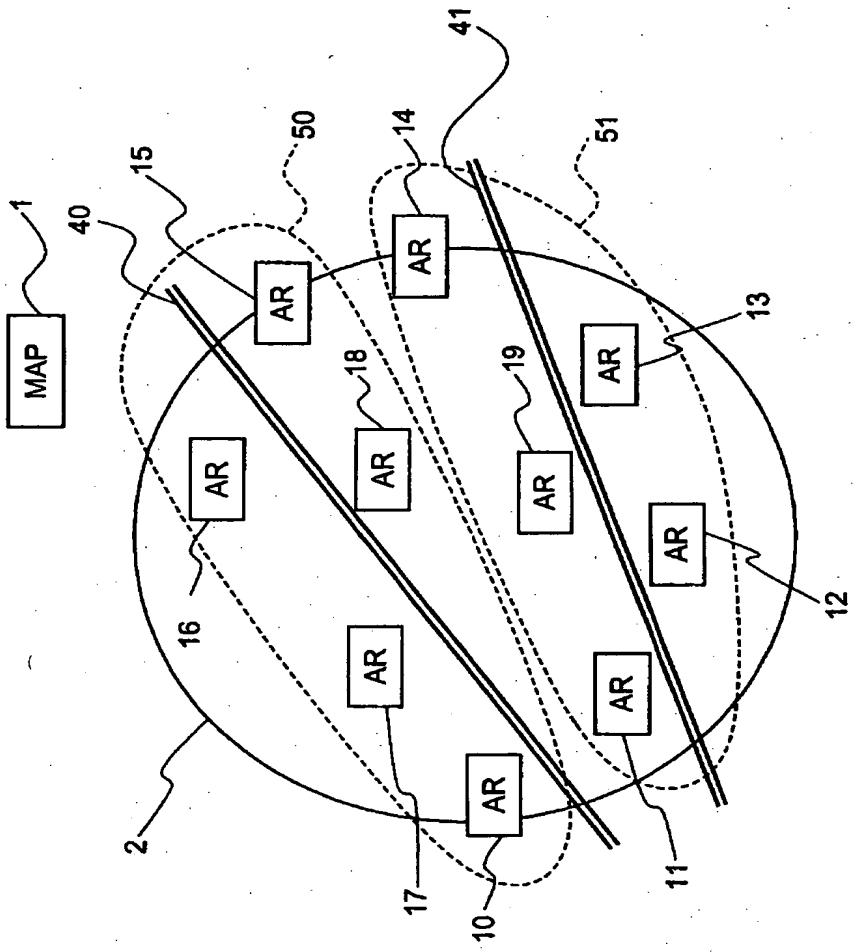

Fig.5

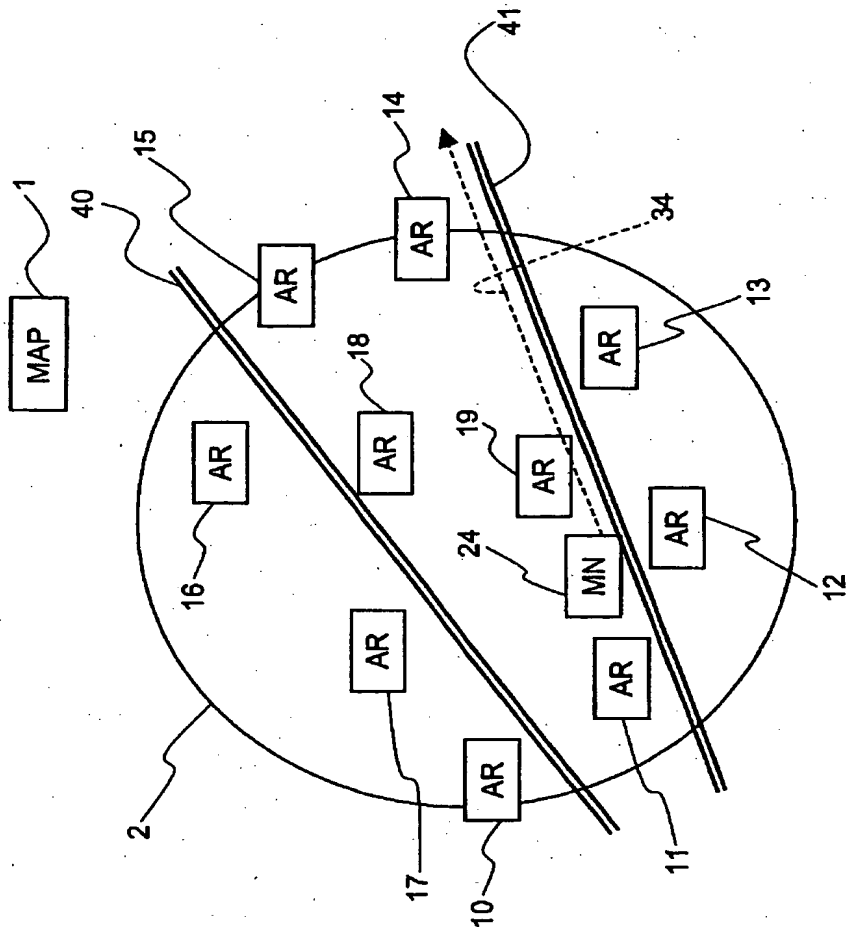
MAP
1
40
15
AR
14
41
34
13
AR
18
AR
19
AR
24
MN
AR
12
16
AR
AR
2
17
AR
10
11

Fig.6

Fig.7

MN ADDRESS	C/O ADDRESS	PAGING AREA	HOST IDENTIFIER
HoA24	--	Pre11, Pre12, Pre19, Pre13, Pre14	No24
HoA25	CoA1425	--	--
HoA26	CoA1426	--	--

Fig.8

MN ADDRESS	C/O ADDRESS	PAGING AREA	HOST IDENTIFIER
HoA24	CoA1424	--	No24
HoA25	CoA1425	--	--
HoA26	CoA1426	--	--

Fig.9

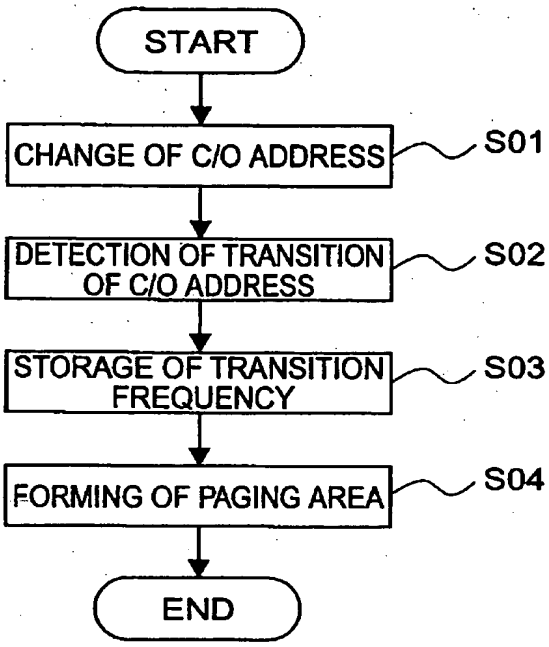
START
CHANGE OF C/O ADDRESS
S01
DETECTION OF TRANSITION OF C/O ADDRESS
S02
STORAGE OF TRANSITION FREQUENCY
S03
FORMING OF PAGING AREA
S04
END

Fig.10

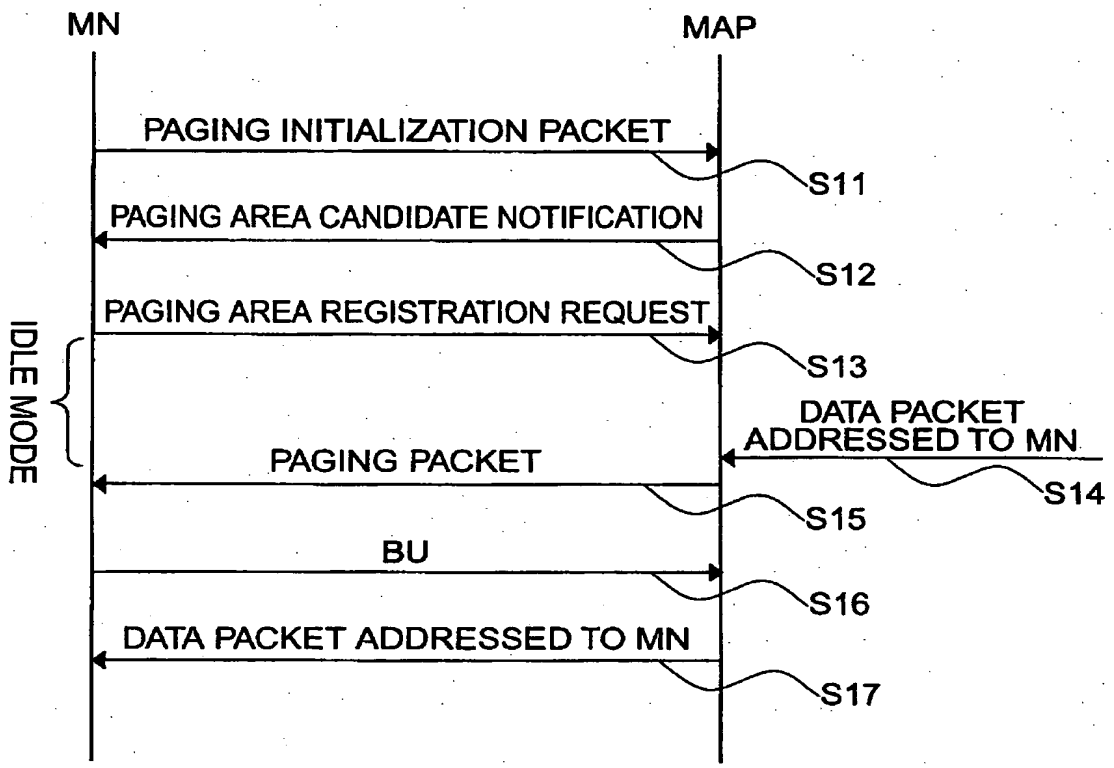
MN
MAP
PAGING INITIALIZATION PACKET
S11
PAGING AREA CANDIDATE NOTIFICATION
S12
PAGING AREA REGISTRATION REQUEST
S13
IDLE MODE
DATA PACKET ADDRESSED TO MN
S14
PAGING PACKET
S15
BU
S16
DATA PACKET ADDRESSED TO MN
S17

Fig.11

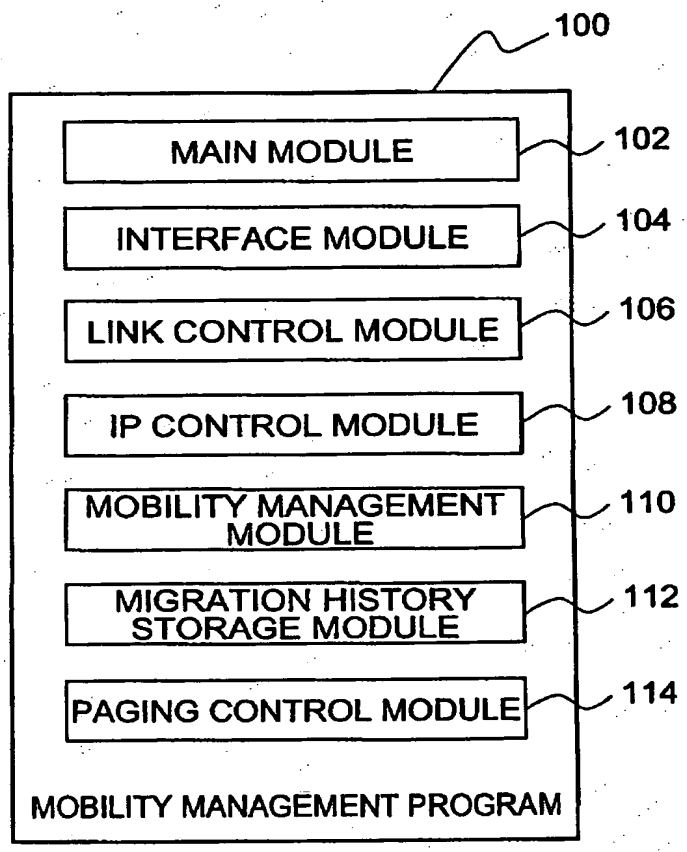
100
MAIN MODULE
102
INTERFACE MODULE
104
LINK CONTROL MODULE
106
IP CONTROL MODULE
108
MOBILITY MANAGEMENT MODULE
110
MIGRATION HISTORY STORAGE MODULE
112
PAGING CONTROL MODULE
114
MOBILITY MANAGEMENT PROGRAM

Fig.12

MN ADDRESS	C/O ADDRESS	REGISTRATION TIME(s)	CoA UPDATE FREQUENCY	PAGING AREA	HOST IDENTIFIER
HoA24	CoA1424	559	2	— —	— —
HoA25	CoA1425	1025	15	— —	— —
HoA26	CoA1426	12	1	— —	— —